



**ROSENFIRE**

YOUR NEXT EQUIPMENT

# TECHNICAL SHEET



## WATERAX MINI-MARK Watson Edition

Designed for versatility and portability, the MINI-MARK® Watson Edition lightweight pump excels in various applications, including initial attack firefighting, structure protection, sprinkler operations, and tandem pumping over long distances. Its compact size and backpackable design enable firefighters to easily transport it to remote locations, ensuring they have the necessary resources at their fingertips during critical moments. This innovative pump features an electronic overspeed cutout switch, safeguarding against engines and pump damage during loss of prime conditions, while its anodized aluminum components enhance durability. With the MINI-MARK® Watson Edition, WATERAX continues its commitment to providing wildland firefighters with high-performance tools that empower them to protect communities and ecosystems effectively, all while embracing modern firefighting demands.



### APPLICATIONS

- Initial attack firefighting
- Structure protection
- Sprinkler operations
- Tandem pumping over long distances

### FEATURES AND BENEFITS

- Portable, lightweight and compact
- Anodized aluminum alloy pump components
- Composite corrosion-resistant impeller
- Electronic overspeed cutout switch
- Multiposition - capable of running at any angle
- Optimal Operating Point: 50 GPM @ 50 PSI (189 LPM @ 3.4 bar)
- Integrated, ergonomic carry handle
- Detachable pump end
- Throttle with detents to avoid throttle drift
- Centrifugal clutch feature

### Optional external fuel tank connection kit available

- Integral fuel tank autonomy of one hour
- External fuel tank autonomy of 20 hours

### SPECIFICATIONS

#### Flow rate at specified pressure

- Maximum pressure: 85 PSI (6 bar)
- Free Flow: 102 US gals/min (386 L/min)
- Maximum Head: 196' (60 m)

MINI-MARK® Watson Edition				
Flow			Pressure	
US GPM	L/min		PSI	Bar
66	250	@	25	1.7
50	189	@	50	3.4
31	117	@	75	5.2



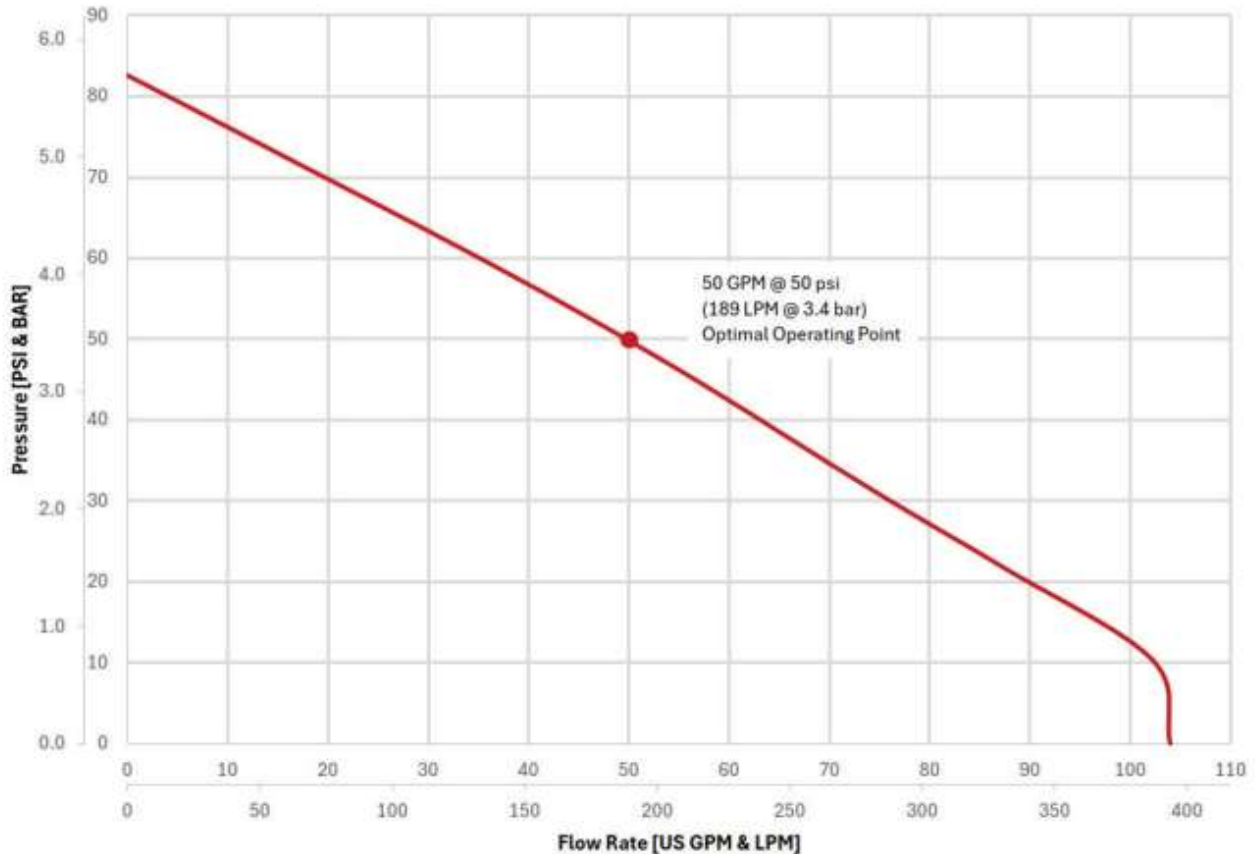
**ROSENFIRE**

YOUR NEXT EQUIPMENT

# TECHNICAL SHEET



## WATERAX MINI-MARK Watson Edition



### TECHNICAL SPECIFICATIONS

#### ENGINE SPECIFICATIONS

- **MAXIMUM POWER:** 2.3 hp (1.72 kW) @ 7,000 RPM
- **MAXIMUM TORQUE:** 2.1 lb-ft (2.84 Nm) @ 4,000 RPM
- **DISPLACEMENT:** 49.9 cc (3.05 cu in)
- **STARTING SYSTEM:** Recoil starter
- **IGNITION:** Capacitive discharge ignition (CDI)
- **AIR CLEANER:** Semi dry type
- **CARBURETOR:** Diaphragm type with integrated purge bulb
- **LUBRICATION:** Fuel mix ratio: 50:1 (gasoline to oil)
- **FUEL TYPE:**
  - Gasoline: 87 octane automotive gasoline (maximum 10% ethanol).
  - Oil: 2-cycle mixing oil with API-TC, JASO FD and ISO-L-EGD certification
- **FUEL TANK CAPACITY:** 0.26 US gal (1 L)
- **FUEL CONNECTOR:** Optional kit: Three-way valve, SAE 45° connection for external fuel tank
- **FUEL CONSUMPTION:** 0.24 US gals/hr (0.91 L/hr)





**ROSENFIRE**

YOUR NEXT EQUIPMENT

# TECHNICAL SHEET



## WATERAX MINI-MARK Watson Edition

### PUMP SPECIFICATIONS

- **TYPE:** Single-stage, centrifugal pump
- **DRIVE:** Centrifugal clutch
- **MAXIMUM ALLOWABLE PRESSURE:** 200 PSI (13.8 bar)
- **MAXIMUM PRESSURE:** 85 PSI (6 bar)
- **MAXIMUM FLOW:** 102 GPM (386 lpm)
- **INTAKE:** 2" (51 mm) NPSH
- **DISCHARGE:** 1-1/2" (38 mm) NPSH
- **VOLUTE AND SUCTION COVER:** Foam compatible, lightweight anodized aluminum alloy
- **IMPELLER:** Composite corrosion resistant
- **SEAL:** Mechanical rotary seal
- **PUMP SHAFT:** Stainless steel
- **CONTROLS:** Push OFF button with electronic overspeed cutoff
- **THROTTLE:** With detents to avoid throttle drift

### DIMENSIONS

- **Length:** 13 1/8" (333 mm)
- **Width:** 12" (305 mm)
- **Height:** 12 3/4" (324 mm)
- **Weight:** 18.5 lbs (8.4 kg)

